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TI - Compsns. contg. a beidellitic intergrade smectite - for treatment of gastrointestinal disorders
DC - B06
PA - (SOCI) SOC CIV RECH SCIENT
NP - 1
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IC - A61K-033/00 C01B-033/20
AB - Therapeutic compsns. for disorders of the gastro-intestinal tract contain an beidellitic intergrade smectite (1.4 nm. phyllite) (I) together with suitable excipinets. Used for treatment of oesophagitis, gastritis, gastro-duodenitis hiatal hernias, gastro-duodenal ulcers, colitis, etc.

A typical compsn. contains 3 g (I), 0.125 g co-dried aluminium hydroxide-magnesium carbonate gel, about 0.040 g liquorice extract, about 0.004 g vanillin, about 0.007 g sodium saccharin, about 0.2 g pectin and about 0.749 g hydrated glucose.

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Compsns. contg. a beidellitic intergrade smectite - for treatment of gastrointestinal disorders

Therapeutic compsns. for disorders of the gastro-intestinal tract contain a beidellitic intergrade smectite (14 nm phyllite) (I) together with suitable excipients.

USE

Treatment of oesophagitis, gastritis, gastro-duodenitis, hiatal hernias, gastro-duodenal ulcers, colitis, etc. (I) absorbs toxins (esp. bacterial toxins), swells to cover and protect gastrointestinal mucous membranes, promotes the cicatrisation of lesions and neutralises excess gastric acidity.

DETAILS

(I) is found in certain deposits in the Vaucluse district of France. It is an aluminium magnesium double silicate in which some of the aluminium in its octahedral layer has been replaced by iron, magnesium or calcium. It has a good swelling and adsorbing power (e.g. it absorbs ≥ 300 mg. of strychnine sulphate per g.).

It is prepared as follows: the mineral is crushed, separated from gravel and the like, and suspended in water. The suspension is treated with a strong mineral acid at ambient temp. and pH 2-3. After 1 hour the dispersion is diluted and separated granulometrically in a series of hydrocyclones. The fraction retained on a 0.100 mm mesh sieve is thickened and dried below 200 C.

TOXICITY

Rats given 200 mg./kg./day or 2 g./kg./day of (I) orally for 6 months showed no toxic symptoms.

EXAMPLE

Sachets for oral administration contained the following: (I) (3 g.), aluminium hydroxide-magnesium carbonate gel (0.125 g.), liquorice extract (0.040 g.), vanillin (0.004 g.), sodium saccharin (0.007 g.), pectin (0.200 g.) and hydrated glucose (0.749 g.).(10pp520).

B(5-A1B, 5-B2C, 12-E8, 12-G2, 12-J1). 5 50

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pregnated with C on one of its faces when it is desirable to avoid the concn. of impurities due to adsorption by the gra-

L(3-D2A). 40